

Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

1. (Currently Amended) A series resistance self-regulating heating cable comprising:

a heating element extending longitudinally along the cable, wherein the heating element comprises a semi-conductor having a positive temperature coefficient, and the cable further comprises at least one conductive terminal located at an end of the cable.

2-3 (Cancelled)

4. (Previously Presented) The heating cable as claimed in claim 1, wherein said semi-conductor comprises a polymer.

5. (Previously Presented) The heating cable as claimed in claim 1, wherein said semi-conductor comprises a high density polyethylene matrix including carbon.

6. (Currently Amended) The heating cable as claimed in claim 1, the at least one conductive terminal being further comprising: a conductive terminal located at an end of the heating cable, and in electrical contact with the heating element via a conductive paste.

7. (Previously Presented) The heating cable as claimed in claim 6, wherein said conductive paste comprises silver.

8. (Currently Amended) A heating device, comprising:
a series resistance self-regulating heating cable including a heating element extending longitudinally along the cable, wherein the heating element includes a semi-conductor having a positive temperature coefficient, and the cable further comprises at least one conductive terminal located at an end of the cable.

9. (Previously Presented) The heating device as claimed in claim 8, wherein said heating device is a car seat heater.

10. (Currently Amended) A method of manufacturing a series resistance self-regulating heating cable, comprising:

extending a heating element longitudinally along the cable, wherein the heating element includes a semi-conductor having a positive temperature coefficient, and the cable further comprises at least one conductive terminal located at an end of the cable.

11. (Currently Amended) A method of manufacturing a heating device, comprising:

producing a series resistance self-regulating heating cable having a heating element extending longitudinally along the cable, wherein the heating element

includes a semi-conductor having a positive temperature coefficient, and the cable
further comprises at least one conductive terminal located at an end of the cable.

12-15. (Cancelled)